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| <b>Form PTO 1449</b><br>Rev. 7-80<br><b>U.S. Department of Commerce</b><br>Patent and Trademark Office<br><b>LIST OF PRIOR ART CITED BY APPLICANT</b><br>(Use Several Sheets If Necessary) | Atty. Docket No.<br>CS8846/BCS043006 | Serial No.<br>To Be Assigned <b>34588616</b> |
|                                                                                                                                                                                            | Applicant<br>Dirk Ebbinghaus et al   |                                              |
|                                                                                                                                                                                            | Filing Date<br>Herewith              | Group No.                                    |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE     | NAME                                   | CLASS             | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|----------|----------------------------------------|-------------------|----------|----------------------------|
|                  | AA | 3,264,177       | 08/02/66 | Kenaga                                 | 167               | 30       |                            |
|                  | AB | 3,835,176       | 09/10/74 | (Bel. to corresp. to DE Matsuo et al   | 22 31 312)<br>260 | 465 D    |                            |
|                  | AC | 3,996,244       | 12/07/76 | (Bel. to corresp. to DE Fujimoto et al | 23 35 347)<br>260 | 332.2 A  |                            |
|                  | AD | 4,016,179       | 04/05/77 | (Bel. to corresp. to DE Fujimoto et al | 23 35 347)<br>260 | 347.5    |                            |
|                  | AE | 4,024,163       | 05/17/77 | (Bel. to corresp. to DE Elliott et al  | 23 26 077)<br>260 | 347.4    |                            |
|                  | AF | 4,031,235       | 06/21/77 | (Bel. to corresp. to DE Fujimoto et al | 23 35 347)<br>424 | 274      |                            |
|                  | AG | 4,039,680       | 08/02/77 | (Bel. to corresp. to DE Fujimoto et al | 23 35 347)<br>424 | 275      |                            |
|                  | AH | 4,053,634       | 10/11/77 | (Bel. to corresp. to DE Bellina et al  | 26 41 343)<br>424 | 312      |                            |
|                  | AI | 4,055,661       | 10/25/77 | (Bel. to corresp. to DE Bellina et al  | 26 41 343)<br>424 | 311      |                            |
|                  | AJ | 4,058,622       | 11/15/77 | (Bel. to corresp. to DE Fujimoto et al | 23 35 347)<br>424 | 308      |                            |
|                  | AK | 4,062,968       | 12/13/77 | (Bel. to corresp. to DE Fujimoto et al | 23 35 347)<br>424 | 275      |                            |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY                     | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|----------|-----------------------------|-------|----------|-------------|-----|
|  |    |                 |          |                             |       |          | Yes         | No* |
|  | AL | 1,168,797       | 10/29/69 | Great Britain               |       |          |             |     |
|  | AM | 36 04 781 A1    | 08/27/87 | Germany (Abstract attached) |       |          |             | X   |
|  | AN | **02/43494      | 06/06/02 | World                       |       |          |             |     |
|  | AO | **02/087338     | 11/07/02 | World                       |       |          |             |     |
|  | AP | **02/30200      | 04/18/02 | World                       |       |          |             |     |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |    |                                                                                                                                            |
|--|----|--------------------------------------------------------------------------------------------------------------------------------------------|
|  | AR | Pesticide Manual, 11 <sup>th</sup> edition, (month unavailable) 1997, page 1056, entry 622 "pyrethrins (pyrethrum) Insecticide, acaricide" |
|  | AS | Pesticide Manual, 13 <sup>th</sup> edition, (month unavailable) 2003, Editor C.D.S. Tomlin, page 232-233, entry 197, "gamma-cyhalothrin"   |
|  | AT | Chem. Ind. 37 (month unavailable) 1985, Harry R. Ungerer, pages 730-732, "Schiffsfarben – eine Spezialität der seenahen Lackindustrie"     |

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| EXAMINER                                                                                                                                                                                                                        | DATE CONSIDERED |
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|                                                                                                                                                                                            | Applicant<br>Dirk Ebbinghaus et al   |                         |
|                                                                                                                                                                                            | Filing Date<br>Herewith              | Group No.               |

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|------------------|----|-----------------|----------|--------------------------------------------|-------------------|----------|----------------------------|
|                  | AA | 4,070,481       | 01/24/78 | (Bel. to corresp. to DE Bellina et al      | 26 41 343)<br>424 | 311      |                            |
|                  | AB | 4,082,848       | 04/04/78 | (Bel. to corresp. to DE Bellina et al      | 26 41 343)<br>424 | 273R     |                            |
|                  | AC | 4,115,584       | 09/19/78 | (Bel. to corresp. to DE Bellina et al      | 26 41 343)<br>424 | 301      |                            |
|                  | AD | 4,148,918       | 04/10/79 | (Bel. to corresp. to DE Bellina et al      | 26 41 343)<br>424 | 314      |                            |
|                  | AE | 4,178,460       | 12/11/79 | (Bel. to corresp. to DE Berkelhammer et al | 27 57 066)<br>562 | 426      |                            |
|                  | AF | 4,179,575       | 12/18/79 | (Bel. to corresp. to DE Martel et al       | 27 42 546)<br>562 | 506      |                            |
|                  | AG | 4,183,948       | 01/15/80 | (Bel. to corresp. to DE Huff               | 28 02 962)<br>424 | 304      |                            |
|                  | AH | 4,199,595       | 04/22/80 | (Bel. to corresp. to DE Berkelhammer et al | 27 57 066)<br>424 | 304      |                            |
|                  | AI | 4,218,469       | 08/19/80 | (Bel. to corresp. to DE Fuchs et al        | 27 09 264)<br>424 | 304      |                            |
|                  | AJ | 4,220,591       | 09/02/80 | (Bel. to corresp. to DE Holan et al        | 26 53 189)<br>260 | 340.5 R  |                            |
|                  | AK | 4,224,227       | 09/23/80 | (Bel. to corresp. to DE Martel et al       | 27 42 546)<br>260 | 347.4    |                            |

**FOREIGN PATENT DOCUMENTS**

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|--|----|-----------------|----------|---------|-------|----------|-------------|-----|
|  |    |                 |          |         |       |          | Yes         | No* |
|  | AL | **2 784 011 A   | 04/07/00 | France  |       |          |             |     |
|  | AM | **03/070000 A   | 08/28/03 | World   |       |          |             |     |
|  | AN | **99/65313 A    | 12/23/99 | World   |       |          |             |     |
|  | AO |                 |          |         |       |          |             |     |
|  | AP |                 |          |         |       |          |             |     |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |    |                                                                                                                                              |
|--|----|----------------------------------------------------------------------------------------------------------------------------------------------|
|  | AR | Weeds, 15, (month unavailable) 1967, S.R. Colby, pages 22-22, "Calculating Synergistic and Antagonistic Responses of Herbicide Combinations" |
|  | AS |                                                                                                                                              |
|  | AT |                                                                                                                                              |

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|                                                                                                                                                                                            | Applicant<br>Dirk Ebbinghaus et al   |                                                  |
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|------------------|----|-----------------|----------|--------------------------------------------|-------------------|----------|----------------------------|
|                  | AA | 4,231,932       | 11/04/80 | (Bel. to corresp. to DE Martel et al       | 27 42 546)<br>260 | 326 A    |                            |
|                  | AB | 4,239,777       | 12/16/80 | (Bel. to corresp. to DE Berkelhammer et al | 27 57 066)<br>424 | 304      |                            |
|                  | AC | 4,254,050       | 03/03/81 | (Bel. to corresp. to EP Baum               | 26 542)<br>260    | 465 D    |                            |
|                  | AD | 4,254,051       | 03/03/81 | (Bel. to corresp. to EP Baum               | 26 542)<br>260    | 465 D    |                            |
|                  | AE | 4,254,052       | 03/03/81 | (Bel. to corresp. to EP Baum               | 26 542)<br>260    | 465 D    |                            |
|                  | AF | 4,257,978       | 03/24/81 | (Bel. to corresp. to DE Martel             | 27 42 546)<br>260 | 544 L    |                            |
|                  | AG | 4,260,633       | 04/07/81 | (Bel. to corresp. to EP Anderson et al     | 38 617)<br>424    | 304      |                            |
|                  | AH | 4,261,920       | 04/14/81 | (Bel. to corresp. to DE Fuchs et al        | 27 09 264)<br>260 | 465 F    |                            |
|                  | AI | 4,262,014       | 04/14/81 | (Bel. to corresp. to DE Holan et al        | 26 53 189)<br>424 | 282      |                            |
|                  | AJ | 4,266,074       | 05/05/81 | (Bel. to corresp. to DE Fujimoto et al     | 23 35 347)<br>560 | 105      |                            |
|                  | AK | 4,279,835       | 07/21/81 | (Bel. to corresp. to DE Martel et al       | 27 42 546)<br>260 | 465 D    |                            |

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|                                                                                                                                                                                            | Applicant<br>Dirk Ebbinghaus et al   |                      |
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|                  | AA | 4,309,350       | 01/05/82 | (Bel. to corresp. to DE Holan et al    | 26 53 189)<br>260 | 340.5 R  |                            |
|                  | AB | 4,310,542       | 01/12/82 | (Bel. to corresp. to DE Martel et al   | 27 42 546)<br>424 | 304      |                            |
|                  | AC | 4,322,534       | 03/30/82 | (Bel. to corresp. to EP Baum           | 26 542)<br>546    | 300      |                            |
|                  | AD | 4,322,535       | 03/30/82 | (Bel. to corresp. to EP Baum           | 26 542)<br>546    | 300      |                            |
|                  | AE | 4,323,685       | 04/06/82 | (Bel. to corresp. to EP Baum           | 26 542)<br>546    | 300      |                            |
|                  | AF | 4,329,518       | 05/11/82 | (Bel. to corresp. to EP Plummer        | 49 977)<br>568    | 807      |                            |
|                  | AG | 4,330,675       | 05/18/82 | (Bel. to corresp. to DE Huff           | 28 02 962)<br>560 | 124      |                            |
|                  | AH | 4,378,316       | 03/29/83 | (Bel. to corresp. to DE Huff           | 28 02 962)<br>260 | 408      |                            |
|                  | AI | 4,397,864       | 08/09/83 | (Bel. to corresp. to DE Nakatani et al | 31 17 510)<br>424 | 282      |                            |
|                  | AJ | 4,402,973       | 09/06/83 | (Bel. to corresp. to EP Plummer        | 49 977)<br>424    | 305      |                            |
|                  | AK | 4,409,150       | 10/11/83 | (Bel. to corresp. to EP Wood           | 67 461)<br>260    | 465 D    |                            |

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|---------------------|----|-----------------|----------|--------------------------------------------|-------------------|----------|-------------------------------|
|                     | AA | 4,503,071       | 03/05/85 | (Bel. to corresp. to DE<br>Hirano et al    | 27 37 297)<br>514 | 521      |                               |
|                     | AB | 4,510,098       | 04/09/85 | (Bel. to corresp. to EP<br>Crosby          | 106 469)<br>260   | 465 D    |                               |
|                     | AC | 4,510,160       | 04/09/85 | (Bel. to corresp. to EP<br>Robson          | 106 469)<br>514   | 521      |                               |
|                     | AD | 4,536,591       | 08/20/85 | (Bel. to corresp. to EP<br>Plummer         | 49 977)<br>560    | 8        |                               |
|                     | AE | 4,531,008       | 07/23/85 | (Bel. to corresp. to DE<br>Fujimoto et al  | 23 35 347)<br>549 | 447      |                               |
|                     | AF | 4,570,005       | 02/11/86 | (Bel. to corresp. to DE<br>Nakatani et al  | 31 17 510)<br>549 | 435      |                               |
|                     | AG | 4,622,337       | 11/11/86 | (Bel. to corresp. to DE<br>Elliott et al   | 23 26 077)<br>514 | 461      |                               |
|                     | AH | 4,668,792       | 05/26/87 | (Bel. to corresp. to EP<br>Plummer         | 49 977)<br>546    | 343      |                               |
|                     | AI | 4,732,903       | 03/22/88 | (Bel. to corresp. to EP<br>Martel et al    | 48 186)<br>514    | 345      |                               |
|                     | AJ | 4,782,094       | 11/01/88 | (Bel. to corresp. to DE<br>Numata et al    | 37 08 231)<br>514 | 721      |                               |
|                     | AK | 4,843,068       | 06/27/89 | (Bel. to corresp. to EP<br>Hamaguchi et al | 234 045)<br>514   | 63       |                               |

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|                     | AA | 4,849,432       | 07/18/89 | (Bel. to corresp. to EP<br>Shiokawa et al | 235 725)<br>514   | 341      |                               |
|                     | AB | 4,883,806       | 11/28/89 | (Bel. to corresp. to EP<br>Martel et al   | 48 186)<br>514    | 417      |                               |
|                     | AC | 4,962,126       | 10/09/90 | (Bel. to corresp. to EP<br>Drabek         | 210 487)<br>514   | 587      |                               |
|                     | AD | 4,970,330       | 11/13/90 | (Bel. to corresp. to DE<br>Huff           | 28 02 962)<br>558 | 407      |                               |
|                     | AE | 5,004,822       | 04/02/91 | (Bel. to corresp. to DE<br>Elliott et al  | 23 26 077)<br>556 | 115      |                               |
|                     | AF | 5,010,098       | 04/23/91 | (Bel. to corresp. to EP<br>Brown et al    | 347 488)<br>514   | 426      |                               |
|                     | AG | 5,438,123       | 08/01/95 | (Bel. to corresp. to WO<br>Dekeyser et al | 93/10083)<br>534  | 885      |                               |
|                     | AH | 5,455,263       | 10/03/95 | (Bel. to corresp. to EP<br>Doscher et al  | 347 488)<br>514   | 422      |                               |
|                     | AI | 5,478,855       | 12/26/95 | (Bel. to corresp. to WO<br>Suzuki et al   | 93/22297)<br>514  | 374      |                               |
|                     | AJ | 5,536,746       | 07/16/96 | (Bel. to corresp. to WO<br>Dekeyser et al | 93/10083)<br>514  | 468      |                               |
|                     | AK | **5,661,164     | 08/26/97 | Otsu et al                                | 514               | 341      |                               |

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|---------------------|----|-----------------|----------|------------------------------------------|------------------|----------|-------------------------------|
|                     | AA | 5,922,732       | 07/13/99 | (Bel. to corresp. to WO Urch et al       | 96/37494)<br>514 | 304      |                               |
|                     | AB | 5,968,947       | 10/19/99 | (Bel. to corresp. to WO Urch et al       | 98/25923)<br>514 | 299      |                               |
|                     | AC | 6,093,726       | 07/25/00 | (Bel. to corresp. to WO Urch et al       | 98/25923)<br>514 | 299      |                               |
|                     | AD | 6,174,894 B1    | 01/16/01 | (Bel. to corresp. to WO Urch et al       | 98/25923)<br>514 | 299      |                               |
|                     | AE | 6,177,442 B1    | 01/23/01 | (Bel. to corresp. to WO Urch et al       | 98/25923)<br>514 | 299      |                               |
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|                     | AH | 6,391,883 B1    | 05/21/02 | (Bel. to corresp. to WO Urch et al       | 96/37494)<br>514 | 255      |                               |
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|                     | AJ | RE39,127 E      | 06/13/06 | (Bel. to corresp. to EP Shiokawa et al   | 235 725)<br>514  | 256      |                               |
|                     | AK | RE39,129 E      | 06/13/06 | (Bel. to corresp. to EP Shiokawa et al   | 235 725)<br>514  | 340      |                               |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |     |
|--|----|-----------------|------|---------|-------|----------|-------------|-----|
|  |    |                 |      |         |       |          | Yes         | No* |
|  | AL |                 |      |         |       |          |             |     |
|  | AM |                 |      |         |       |          |             |     |
|  | AN |                 |      |         |       |          |             |     |
|  | AO |                 |      |         |       |          |             |     |
|  | AP |                 |      |         |       |          |             |     |

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| EXAMINER                                                                                                                                                                                                                        | DATE CONSIDERED |
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- \* Neither English Language Equivalent nor an English Language Translation is available.  
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| <b>Form PTO 1449</b><br>Rev. 7-80<br><b>U.S. Department of Commerce</b><br>Patent and Trademark Office<br><b>LIST OF PRIOR ART CITED BY APPLICANT</b><br>(Use Several Sheets If Necessary) | Atty. Docket No.<br>CS8846/BCS043006 | Serial No.<br>To be Assigned<br><b>10/588616</b> |
|                                                                                                                                                                                            | Applicant<br>Dirk Ebbinghaus et al   |                                                  |
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|---------------------|----|-----------------|----------|-------------------------------------------|------------------|----------|-------------------------------|
|                     | AA | RE39,130 E      | 06/13/06 | (Bel. to corresp. to EP<br>Shiokawa et al | 235 725)<br>514  | 342      |                               |
|                     | AB | RE39,131 E      | 06/13/06 | (Bel. to corresp. to EP<br>Shiokawa et al | 235 725)<br>514  | 343      |                               |
|                     | AC | RE39,140 E      | 06/20/06 | (Bel. to corresp. to EP<br>Shiokawa et al | 235 725)<br>514  | 341      |                               |
|                     | AD | 2002/0061913 A1 | 05/23/02 | (Bel. to corresp. to WO<br>Urch et al     | 98/25923)<br>514 | 366      |                               |
|                     | AE |                 |          |                                           |                  |          |                               |
|                     | AF |                 |          |                                           |                  |          |                               |
|                     | AG |                 |          |                                           |                  |          |                               |
|                     | AH |                 |          |                                           |                  |          |                               |
|                     | AI |                 |          |                                           |                  |          |                               |
|                     | AJ |                 |          |                                           |                  |          |                               |
|                     | AK |                 |          |                                           |                  |          |                               |

**FOREIGN PATENT DOCUMENTS**

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|--|----|-----------------|------|---------|-------|----------|-------------|-----|
|  |    |                 |      |         |       |          | Yes         | No* |
|  | AL |                 |      |         |       |          |             |     |
|  | AM |                 |      |         |       |          |             |     |
|  | AN |                 |      |         |       |          |             |     |
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